12-07-05

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6	140		Application Number	10/634,020			
<b>,</b>	₹TRANSMITTAL		Filing Date	08/04/2003			
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	Total Number of Pages in This Submission	21	Attorney Docket Number	12004			

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	f Pages in This Submission	21	Attorney Docket Number	12004						
ENCLOSURES (Check all that apply)										
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Reply to Missing Parts/ Incomplete Application  Reply to Missing Parts under 37 CFR 1.52 or 1.53			Drawing(s)  Licensing-related Papers  Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD  Emarks  Transmittal (in duplicate)			After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):  PTO-2038; Return Receipt Post Card				
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Firm Name	Battelle Memorial Institut	<u> </u>								
Signature M. M. M.		what								
Printed name William B. Richards										
Date	12-06-2005		Reg. No.	44,301						
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Typed or printed	name Judy Readman	1				Date	12-06-2005			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005

First Named Inventor
Effective on 12/08/2004.

Complete if Known
Application Number 10/634,020
Filling Date 08/04/2003
First Named Inventor Cao et al.
Examiner Name Tran, Len

			Art Unit	1/25	74	DEMARKS				
TOTAL AMOUNT OF PAYMEN	(\$)	100.00	Attorney Docket No.	12004						
METHOD OF PAYMENT (check all that apply)										
Check ✓ Credit Card Money Order None Other (please identify):										
Deposit Account Deposit			Deposit Account			I Institu				
For the above-identified of	eposit accoun	it, the Director is her	reby authorized to: (che	ck all that ap	ply)					
Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee										
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FEE CALCULATION .										
BASIC FILING, SEARCH, AND EXAMINATION FEES     FILING FEES SEARCH FEES EXAMINATION FEES     Small Entity Small Entity										
Application Type Fe	e (\$) <u>Fee (</u>		Small Entity  Fee (\$)  Fe	(A)	<u> </u>	Fees Paid (\$)				
Utility 30	00 150	500	250 20	00 10	0 _					
Design 20	00 100	100	50 13	30 6	5 _					
Plant 20	00 100	300	150 10	50 8	60 _					
Reissue 3	00 150	500	250 60	00 30	0 -					
Provisional 20	00 100	0	0	0	0 _					
2. EXCESS CLAIM FEES Fee Description Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Total Claims Extra Claims Fee (\$) Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Aultiple Dependent Claims Fee (\$) Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  APPLICATION SIZE FEE										
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  - 100 =										
Outer (e.g., late fifting sur	/Im gc)									
SUBMITTED BY Signature	Lulian	10	Registration No. (Attorney/Agent) 44,301		Telephone 614	1-424-5612				
Name (Print/Type) William B. Rich			(Attorney/Agent) 44,301		Date 12-06-20					

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# PATENT APPLICATION

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney
Docket: 12004

DEC 0 6 2005

Applicant:

Cao et al.

Title:

Resistance Spot Welding Electrode

Serial No.:

10/634,020

Filed:

August 4, 2003

Examiner:

Tran, Len

#### Certificate Under 37 CFR § 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 as "Express Mail Post Office to Addressee".

on 12-06-2005

Judy Zeodn Judy Readman

ED 560240885 US Mailing Label No.

# AMENDMENT AND RESPONSE

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action mailed September 7, 2005, Applicants submit the

following:

Amendments to the Claims being on page 2.

Remarks begin on page 11.

12/08/2005 DTESSEM1 00000006 10634020

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